

Appendix B - LMS Interface Specifications

Federal Personnel Payroll System (FPPS) / SATERN (System for Administration, Training and Educational Resources for NASA) Interface Control Document

Version 1.2

January 22, 2008

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Web-based Time and Attendance Distribution System

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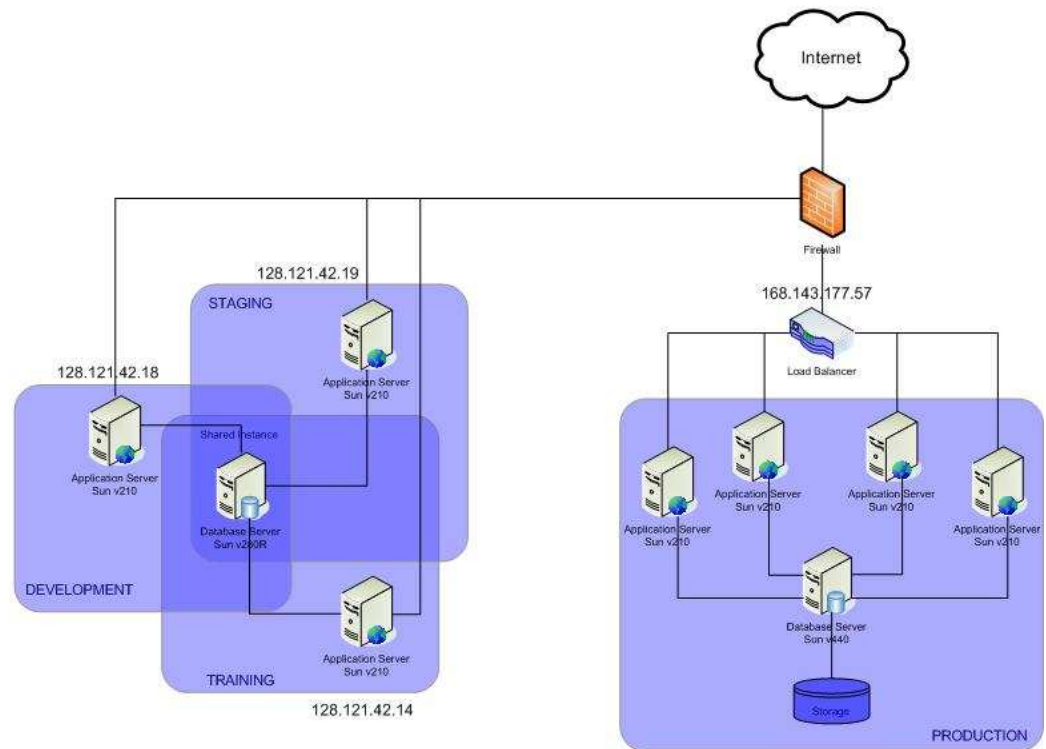
Document Change Record

Release Date	Changed by	SR	Version – Description
03/09/2006	Jacky Davis / Teresa Wenger	85680	Version 1.0 - Initial Document Release – Conversion of “AdminStar” to “SATERN”. Modify names to reflect SATERN and rename “Learner” file to “Student” file. Addition of four new fields – Employee Status, Education Level, Ethnicity_Race and Supervisory_Level_Code. Removal of two SSN fields. Modify sort of Student file.
01/09/2006	Maya Litvak		Update of SATERN field destinations.
04/17/2006	Maya Litvak		Describe the processing of the files by GP.
3/23/2007	Steven Bliss		Updated document to reflect several changes in configuration.
1/22/2008	Steven Bliss		Updated document to record/document interface time of day specifications

FPPS TO **SATERN** INTERFACE REQUIREMENTS SUMMARY



NASA Network Diagram



Data Sensitivity

- The data exchanged between NASA and OPM is Sensitive-But-Unclassified. Private data tables are employed to hold private data such as SSN, RNO, etc. The table is owned by the DBO (data base owner), and is not known by the application. Its use is limited to system use only, i.e., it is accessible only by logging into the database directly. Access is limited to GP technical services personnel who have been cleared through the Background Investigation process, have signed Rules of Behavior for Privileged Users, and are otherwise appropriated cleared and trained.

Information Exchange Security

- The security of the information being passed on this two-way connection is protected through the use of Transport Layer Security (TLS), a FIPS 140-2 approved encryption mechanism. The current configuration uses an Array Networks load balancer/SSL accelerator. This product provides the TLS support at the Fed hosting side (it is up to the client/PC to request a TLS connection). Array uses RSA as an encryption partner, and RSA mechanisms/algorithms are employed within their hardware.

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- The connections at each end are located within controlled access facilities, guarded 24 hours a day. Individual users will not have access to the data except through their systems security software inherent to the operating system. All access is controlled by authentication methods to validate approved users. In addition, all GP personnel who have access to the Federal hosting system data undergo a Background Investigation utilizing the SF86 form, provided through OPM. This is a Standard Operating Procedure, part of GP's new-hire procedures.

Rules of Behavior

- Each organization is expected to have all users sign a Rules of Behavior Document consistent with the respective organization's policy. The document is expected to include, but is not limited to, the following:
 1. Protect data in accordance with the Privacy Act of 1974;
 2. Protect sensitive information from disclosure to unauthorized individuals or groups;
 3. Acquire and use sensitive information only in accordance with the performance of ones official government duties;
 4. Dispose of sensitive information contained in hardcopy or softcopy, as appropriate;
 5. Ensure that sensitive information is accurate and relevant for the purpose which it is collected, provided, and used;
 6. Protect ones assigned access codes from disclosure;
 7. Report security incidents and vulnerabilities to the appropriate agency organization;
 8. Comply with the provisions of copyrighted software by not infringing upon or compromising (copy, distribute, manipulate, etc.) software of this system.
 9. Ensure all changes to Learning Management System components and data are done via approved configuration control procedures; and
 10. Use IT equipment in accordance with the OPM and NASA policies and procedures.

Trusted Behavior Expectations

- OPM systems and users are expected to protect NASA database, and NASA system and users are expected to protect OPM applications and database, in accordance with the Privacy Act and Trade Secrets Act (18 U.S. Code 1905) and the Unauthorized Access Act (18 U.S. Code 2701 and 2710).

Formal Security Policy

- Federal agencies and contractors are responsible for ensuring this interconnection complies with the following Federal requirements:
 - Federal Information Security Management Act (FISMA) as part of the E-Government Act of 2002
 - Office of Management and Budget (OMB) Circular A-130, Appendix III, Security of Federal Automated Information Resources
 - NIST Special Publication 800-47, Security Guide for Interconnecting Information Technology systems
 - Privacy Act of 1974
 - OPM security policies and standards are reflected below
 - US OPM, Certification and Accreditation Process Guide, May 2003.
 - US OPM, Information Technology (IT) Security Program Plan. May 2003

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- US OPM, Information Technology (IT) Security Policy, May 2005
- OPM/GoLearn Rules of Behavior for Privileged Users
- OPM/GoLearn IDIQ Contract and Task Order awarded under that contract awarded from OPM Solicitation OPM-RFP-04-0037 JCT.
- OPM/GoLearn Privacy Impact Assessment Version 1.3 Final, December 2005

FILE FORMAT

- Variable length, “~” delimiter.

FREQUENCY

- Daily, Monday through Friday. Specifics relating to the SATERN interface processing are:
 1. The DOI updates the Datamart with data from FPPS on a daily basis (Monday through Friday). This update occurs overnight while normally closed for business and reflects the data as of the close of business the day before.
 2. The NAMS/IDMS updates the Dartamart with UUPIC employee information on a daily basis (Monday through Friday). This update occurs overnight while normally closed for business and reflects the data as of the close of business the day before.
 3. The ePayroll system generates the SATERN Student Import file from the Datamart on a daily basis (Monday through Friday) at 7 A.M. CST.
 4. The NSSC retrieves the import files the MSFC Competency Center at 7:01 A.M. CST daily (Monday through Friday).
 5. The NSSC processes these files manually and transfers them to GP no later than 4 P.M. CST daily (Monday through Friday).
 6. GP runs the Student Import process on a daily basis (Monday through Friday) at 7 P.M. EST.
 7. GP runs the Database backup process on a daily basis (Monday through Friday) at 9 P.M. EST.
 8. The NSSC processing the SATERN Database File backups on a daily basis (Monday through Friday) at 10 P.M .CST copying the export file from the GP server to the Marshall Brio server. This process completes at 10:55 PM CST.
 9. The NSSC updates to the BRIO report server on a daily basis (Monday through Friday) at 10:56 P.M. CST. This process completes at 10 A.M. CST the next day. The BRIO server reports are unavailable to the SATERN community until this process completes.
 10. The NSSC processing updates to the NSSC SATERN DB Server on a daily basis (Monday through Friday) at 2:15 A.M. CST using the export file from the GP server to NSSC. This process completes at 2:44 A.M. CST. The NSSC imports start at 6:00 A.M. CST and complete at 6:45 A.M. CST.

SELECTION / SORTING CRITERIA

Student Data

- Selection Criteria – Data shall be transmitted for all active NASA employees and employees who have been terminated in the past **two pay periods** based upon the date_separation field.
 - DEPT = “NN”
 - (Employee_Dim_EEO_View.Employee_Status_History_Type = ‘A’, ‘C’, ‘F’, ‘I’, ‘L’, ‘M’ (a code of A for active or M for military furlough will result in a record being set to active, all other codes will set the record to inactive) and Pay_Leave_Facts.Date_Separation = null) or
 - (Employee_Dim_EEO_View.Employee_Status_History_Type = “Z, D, N, Q, R, S, U” and TRANS_EEO_VIEW.PERSONNEL_TRANSACTION_STATUS= ‘C’ and TRANS_EEO_VIEW.DATE_STATUS_CREATED >= PAY_PERIOD_BEGIN_DATE - 14 and <= PAY_PERIOD_END_DATE (pay period dates obtained from Pay Period Dim file where Pay_Period_Dim.PAY_PERIOD) and Pay_Leave_Facts.PAY_PRCs_GRP_LAST_PRCs_PP = Pay_Period_Dim.PAY_PERIOD) and NOA1 LIKE 3% or NOA2 LIKE 3% (any 300 series NOA)
- Separated employees should only be returned if a Combined File record exists for them.
- Sorting Criteria – Data should be sorted by BUR_OR_OFC, NAME_LAST, NAME_FIRST, NAME_MIDDLE.

Organization Data

- Selection Criteria – Data shall be transmitted for all active NASA organizations. DEPT = “NN”.
- Sorting Criteria – Data should be sorted by BUR_OR_OFC, then ORG.

Location Data

- Selection Criteria – Data shall be transmitted for all NASA installations. There will be one LOCATION record transmitted for every ORG transmitted. DEPT = “NN”
- Sorting Criteria – Data should be sorted by BUR_OR_OFC, then ORG.

SOURCE FILES

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- Combined File
- Agency Emp Info File

CR IMPACT

- None

FILE NAMES TO BE USED (3 Files)

Dataset Names		
Center	Dataset Name	Location
AGENCY (Production)	SATERN_STUDENT (Personnel data) SATERN_ORG (Organization data) SATERN_LOCATION (Location data) Note: Each file has a Date/Time Extension on its name.	SATERN Server
AGENCY (Test)	TEST_SATERN_STUDENT TEST_SATERN_ORG TEST_SATERN_LOCATION Note: Each file has a Date/Time Extension on its name.	SATERN Server

FILE LAYOUT WITH DATA ELEMENTS and TRANSFORMATION LOGIC

STUDENT File:

Field NO.	FPPS/Datamart Field	Description	Lgth	FPPS/Datamart File	SATERN Field	Comments
1	BUR_OR_OFC + SUB_BUR	Center Identifier	4	Combined File / Employee_Dim_EEO_View		
2	NAME_LAST	Employee's Last Name	22	Combined File / Employee_Dim_EEO_View	PA_STUDENT.lname	
3	NAME_FIRST	Employee's First Name	12	Combined File / Employee_Dim_EEO_View	PA_STUDENT.fname	
4	NAME_MIDDLE	Employee's Middle Initial	1	Combined File / Employee_Dim_EEO_View	PA_STUDENT.mi	
5	ORG	Organization Assigned	10	Combined File / Employee_Dim_EEO_View	PA_STUDENT.org_id	See Note 1 Below: Determines learner's domain and subdomain in SATERN
6	ORG	Organization Assigned	10	Combined File / Employee_Dim_EEO_View	PA_STUDENT.jl_id	See Note 1 Below

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Field NO.	FPPS/Datamart Field	Description	Lgth	FPPS/Datamart File	SATERN Field	Comments
7	SEX	Employee's Gender	1	Combined File / Employee_Dim_EEO_View	PA_STUD_USER.user_value where col_num = 10	
8	DATE_OF_BIRTH	Employee's Birth date	10	Combined File / PAY_LEAVE_FACTS	PA_STUD_USER.user_value where col_num = 12	Format MM/DD/YYYY
9	RACE_OR_NATIONAL_ORIGIN	Employee's Minority Info	20	Combined File / Employee_Dim_EEO_View	PA_STUD_USER.user_value where col_num = 3	See Note 2 Below
10	ORG	Organization Located	10	Combined File / Employee_Dim_EEO_View	PA_STUD_USER.user_value where col_num = 14	See Note 1 Below
11	hardcoded '1'	Login	1	N/A		
12	PAY_PLAN '-' GRADE_OR_LEVEL	Pay Plan and Grade	5	Combined File / Employee_Dim_EEO_View	PA_STUD_USER.user_value where col_num = 7	
13	SUPERVISORY_STATUS	Supervisory Indicator	1	Combined File / Employee_Dim_EEO_View	PA_STUD_USER.user_value where col_num = 8	
14	PSN_CLASS_CD	NASA Class Code	5	Combined File / Employee_Dim_EEO_View	PA_STUD_USER.user_value where col_num = 6	
15	Hardcode "1"	Position Type Indicator	1			Position Type Not Available
16	WORK_SCHEDULE	Employee's Work Schedule	1	Combined File / Employee_Dim_EEO_View	PA_STUDENT.emp_stat_id	
17	HANDICAP_CODE	Handicap Code	2	Combined File / Employee_Dim_EEO_View	PA_STUD_USER.user_value where col_num = 4	
18	DATE_ENTERED_ON_DUTY_BUREAU	Employee's EOD Date	10	Combined File / PAY_LEAVE_FACTS	PA_STUDENT.hire_dte	Format MM/DD/YYYY
19	hardcoded Supervisor Indicator value	Derived Supervisor Indicator	1	N/A		See Note 3 Below
20	hardcoded Log pass value	Derived Log Pass Value	30	N/A		See Note 4 Below
21	DATE_SEPARATION	Date of Separation	10	Combined File / PAY_LEAVE_FACTS	PA_STUDENT.term_dte	Format MM/DD/YYYY
22	VETERANS_PREFERENCE	Veteran's Preference Indicator	1	Combined File / Employee_Dim_EEO_View	PA_STUD_USER.user_value where col_num = 5	
23	UUPIC	Employee's UUPIC Number	9	Agency Emp Info File / AGENCY_EMP_INFO	PA_STUD_USER.user_value where col_num = 1	
24	POSITION_TENURE	Position Tenure	1	Combined File / Employee_Dim_EEO_View		Needed for POSTYP derivation
25	SPECIAL_PROGRAM_IDENTIFIER	SPID	2	Combined File / Employee_Dim_EEO_View		Needed for POSTYP derivation
26	EMPLOYEE_STATUS_HISTORY_TYPE	Duty Status	1	Combined File / Employee_Dim_EEO_View	PA_STUD_USER.user_value where col_num = 2	
27	EDUCATION_LEVEL	Degree Level	2	Combined File / Employee_Dim_EEO_View	PA_STUD_USER.user_value where col_num = 17	

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Field NO.	FPPS/Datamart Field	Description	Lgth	FPPS/Datamart File	SATERN Field	Comments
28	ETHNICITY_RACE	Employee's Minority Info	6	Combined File / Employee_Dim_EEO_View		
29	SUPERVISORY_LEVEL_CODE	Supervisory Code	2	Combined File / Employee_Dim_EEO_View		
30	PHONE_NBR	Office Phone Number	20	Agency Emp Info File / AGENCY_EMP_INFO		Formatted (Remove '+1', ' ', '-', '(', ')', '.') 9999999999
31	EMAIL	E-Mail Address	60	Agency Emp Info File / AGENCY_EMP_INFO		
32	WT_OFFICIAL_SUPERVISOR	WebTADS Supervisor UUPIC	9	Agency Emp Info File / AGENCY_EMP_INFO		
33	WT_SUPERVISOR_ACTING	WT Acting Supervisor Y/N	1	Agency Emp Info File / AGENCY_EMP_INFO		
34	WT_APPROVER1	Approver UUPIC	9	Agency Emp Info File / AGENCY_EMP_INFO		
35	WT_APPROVER2	Approver UUPIC	9	Agency Emp Info File / AGENCY_EMP_INFO		
36	WT_APPROVER3	Approver UUPIC	9	Agency Emp Info File / AGENCY_EMP_INFO		
37	POSITION_TITLE_OPM	OPM Position Title	37	Combined File / Employee_Dim_EEO_View		
38	POSITION_NUMBER_BASE + POSITION_NUMBER_SUFFIX	Position Number	11	Combined File / Employee_Dim_EEO_View		Left pad both fields with zeros to make Base (7) and Suffix (3) 10 bytes; add – (9999999-999)

Note 1.

If BUR_OR_OFC = '10' (NASA Headquarters)
 ORG = 'NH-' || ORG

If BUR_OR_OFC = '21' (Ames Research Center)
 ORG = 'ARC-' || ORG

If BUR_OR_OFC = '22' (Glenn Research Center)
 ORG = 'GRC-' || ORG

If BUR_OR_OFC = '23' (Langley Research Center)
 ORG = 'LARC-' || ORG

If BUR_OR_OFC = '24' (Dryden Flight Research Center)
 ORG = 'DFRC-' || ORG

If BUR_OR_OFC = '51' (Goddard Space Flight Center)
 ORG = 'GSFC-' || ORG

If BUR_OR_OFC = '62' (Marshall Space Flight Center)
 ORG = 'MSFC-' || ORG

If BUR_OR_OFC = '64' (Stennis Space Center)
 ORG = 'SSC-' || ORG

If BUR_OR_OFC = '72' (Johnson Space Center)

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ORG = 'JSC-' || ORG
If BUR_OR_OFC = '76' (Kennedy Space Center)
ORG = 'KSC-' || ORG

Note 2. The size of RACE_OR_NATIONAL_ORIGIN (**RNO**) has been increased from a one-character field to a twenty-character field to allow for the ethnic text description. Translate the existing one-character ethnic code to the text description based on the following **information**. If the **RNO** field is blank then a null value will be returned.

'C' = 'African American'
'A' = 'American Indian'
'B' = 'Asian'
'F' = 'Asian Indian'
'E' = 'Caucasian'
'G' = 'Chinese'
'H' = 'Filipino'
'J' = 'Guamanian'
'K' = 'Hawaiian'
'D' = 'Hispanic'
'L' = 'Japanese'
'M' = 'Korean'
'Q' = 'Other Asian/Pacific'
'N' = 'Samoan'
'P' = 'Vietnamese'
'Y' = 'Not Hispanic in Puerto Rico'

Note 3. DATE_SEPARATION (field 45) will determine the value of the Supervisor Indicator. The Supervisor indicator will be set to '1' when the DATE_SEPARATION is null and the Supervisor Indicator will be set to '0' when the DATE_SEPARATION is not null.

Note 4. DATE_SEPARATION (field 45) will determine the value of the Logpass. The Logpass will be set to the value in NAME_FIRST (field 7) when the DATE_SEPARATION is null and the Logpass will be set to the DATE_SEPARATION (field 45) when the DATE_SEPARATION is not null. The format of the DATE_SEPARATION should be MM:DD:YYYY HH:MI:SS when it is used for Logpass.

Note 5. Students will be terminated in SATERN based on the DATE_SEPARATION on the Student file.

Note 6. Field # 21 in the FPPS Student File, DATE_SEPARATION, was previously used to determine account status, but this field is no longer being populated in the FPPS datamart. Now a Duty Status code of A (active) or M (military furlough) will result in a learner account being set to active. All other codes will result in the account being set to an inactive status.

ORG File:

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Field NO.	FPPS/Datamart Field	Description	Lgth	FPPS/Datamart File	Comments
1	ORG (also need BUR_OR_OFC to determine hardcoded value)	Derived Center ID + Organization	10	Combined File / ORG_DIM	See Note 1 Below
2	BUR_OR_OFC + SUB_BUR	Center Code	4	Combined File / ORG_DIM	
3	ORG_DESC	Organization Description	55	Combined File / ORG_DIM	IF field is blank, send "TBD" as the Description, to SATERN
4	hard coded 'Org Unit'	Org Type	8	N/A	
5	Current system date	Org Active Date	10	N/A	Format MM/DD/YYYY
6	ORG-DESC	Organization Description	30	Combined File / ORG_DIM	Same as field 3, but truncated
7	hardcoded Center-ID value (need BUR_OR_OFC to determine)	Derived Center ID	4	Combined File / ORG_DIM	See Note 2 Below

Note 1.

If BUR_OR_OFC = '10' (NASA Headquarters)
 ORG = 'NH-' || ORG
 If BUR_OR_OFC = '21' (Ames Research Center)
 ORG = 'ARC-' || ORG
 If BUR_OR_OFC = '22' (Glenn Research Center)
 ORG = 'GRC-' || ORG
 If BUR_OR_OFC = '23' (Langley Research Center)
 ORG = 'LARC-' || ORG
 If BUR_OR_OFC = '24' (Dryden Flight Research Center)
 ORG = 'DFRC-' || ORG
 If BUR_OR_OFC = '51' (Goddard Space Flight Center)
 ORG = 'GSFC-' || ORG
 If BUR_OR_OFC = '62' (Marshall Space Flight Center)
 ORG = 'MSFC-' || ORG
 If BUR_OR_OFC = '64' (Stennis Space Center)
 ORG = 'SSC-' || ORG
 If BUR_OR_OFC = '72' (Johnson Space Center)
 ORG = 'JSC-' || ORG
 If BUR_OR_OFC = '76' (Kennedy Space Center)
 ORG = 'KSC-' || ORG

Note 2. Determine Center-ID based on the following:

If BUR_OR_OFC = '10' (NASA Headquarters)
 Center-ID = 'NH'
 If BUR_OR_OFC = '21' (Ames Research Center)
 Center-ID = 'ARC'
 If BUR_OR_OFC = '22' (Glenn Research Center)

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Center-ID = 'GRC'
 If BUR_OR_OFC = '23' (Langley Research Center)
 Center-ID = 'LARC'
 If BUR_OR_OFC = '24' (Dryden Flight Research Center)
 Center-ID = 'DFRC'
 If BUR_OR_OFC = '51' (Goddard Space Flight Center)
 Center-ID = 'GSFC'
 If BUR_OR_OFC = '62' (Marshall Space Flight Center)
 Center-ID = 'MSFC'
 If BUR_OR_OFC = '64' (Stennis Space Center)
 Center-ID = 'SSC'
 If BUR_OR_OFC = '72' (Johnson Space Center)
 Center-ID = 'JSC'
 If BUR_OR_OFC = '76' (Kennedy Space Center)
 Center-ID = 'KSC'

LOCATION File:

Field NO.	FPPS/Datamart Field	Description	Lgth	FPPS/Datamart File	Comments
1	<i>Center-ID</i> + '-' + <i>ORG</i> (need BUR_OR_OFC to determine)	Derived Center ID + Organization	20	Combined File / ORG_DIM	See Note 1 Below for Center-ID
2	<i>Center-ID</i> + '-' + <i>ORG</i> + '-' + <i>ORG_DESC</i> (need BUR_OR_OFC to determine)	Derived Center ID + Organization + Org Description	30	Combined File / ORG_DIM	See Note 1 Below for Center-ID
3	hardcoded Address value	Center Address Acronym	4	N/A	See Note 1 Below
4	hardcoded City value	Center's City	20	N/A	See Note 1 Below
5	hardcoded State value	Center's State	2	N/A	See Note 1 Below
6	hardcoded Zip Code value	Center's Zip Code	10	N/A	See Note 1 Below

Note 1.

If BUR_OR_OFC = '10' (NASA Headquarters)
 Center-ID = 'NH'
 Address = 'NH'
 City = 'Washington'
 State = 'DC'
 Zip Code = '20546'
 If BUR_OR_OFC = '21' (Ames Research Center)
 Center-ID = 'ARC'
 Address = 'ARC'
 City = 'Moffett Field'
 State = 'CA'
 Zip Code = '940351000'

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If BUR_OR_OFC = '22' (Glenn Research Center)
Center-ID = 'GRC'
Address = 'GRC'
City = 'Cleveland'
State = 'OH'
Zip Code = '44135'

If BUR_OR_OFC = '23' (Langley Research Center)
Center-ID = 'LARC'
Address = 'LARC'
City = 'Hampton'
State = 'VA'
Zip Code = '236810001'

If BUR_OR_OFC = '24' (Dryden Flight Research Center)
Center-ID = 'DFRC'
Address = 'DFRC'
City = 'Edwards'
State = 'CA'
Zip Code = '935230273'

If BUR_OR_OFC = '51' (Goddard Space Flight Center)
Center-ID = 'GSFC'
Address = 'GSFC'
City = 'Greenbelt'
State = 'MD'
Zip Code = '20771'

If BUR_OR_OFC = '62' (Marshall Space Flight Center)
Center-ID = 'MSFC'
Address = 'MSFC'
City = 'Huntsville'
State = 'AL'
Zip Code = '35812'

If BUR_OR_OFC = '64' (Stennis Space Center)
Center-ID = 'SSC'
Address = 'SSC'
City = 'Stennis Space Center'
State = 'MS'
Zip Code = '395296000'

If BUR_OR_OFC = '72' (Johnson Space Center)
Center ID = 'JSC'
Address = 'JSC'
City = 'Houston'
State = 'TX'
Zip Code = '77058'

If BUR_OR_OFC = '76' (Kennedy Space Center)
Center-ID = 'KSC'
Address = 'KSC'
City = 'Kennedy Space Center'
State = 'FL'
Zip Code = '32899'

Office of the Chief
Financial Officer



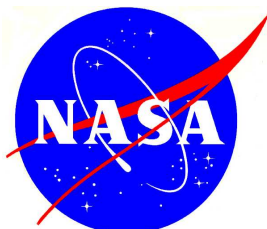
*Web-based Time and Attendance Distribution
System (WebTADS)*

***Supervisor Interface Definition
Document***

19 September 2005

Version 1.0

D R A F T



1.0 Document Change Record

Document History		
Date of Change	Change Description	Changed by
09/16/05	Initial	Bob Graves
09/19/05	Add Duty Status	Bob Graves

2.0 INTRODUCTION

3.0 INTERFACES

3.1 WebTADS Export

Type: Flat file

Name: SUPERLIST

Description: Comma-separated, text data

Schedule:

Filter: Agencywide employees only

DESTINATION SERVER: SOLAR / SATERN

FILENAME: SUPERLIST

DELIMITER: Comma (,)

NORMAL RECORD:

Field Num	Typical Length	Data field	Remarks
1	4	Center AIN	(Optimal)
2	9	Employee UUPIC	
3	9	Supervisor UUPIC	Primary Approver
4	1	Employee Duty Status	A – Active T – Terminating L – LWOP Z – Separated

A single record of the following form will be located at the top of each file:

HEADER RECORD:

Field Num	Typical Length	Data field	Remarks
1	4	Header indicator	0000
2	14	Timestamp	YYMMDDHHMMSS

Notes

Web-based Time and Attendance Distribution System

- Delivered to ADMINDB server via SFTP